

AMENDMENTS TO THE CLAIMS UNDER 37 C.F.R. § 1.121(c):

Please amend claims 21-25, 28, 31, 34, 37-39, and 41 as indicated below.

A complete version of the entire set of pending claims under 37 C.F.R. § 1.121(c)(3) follows:

1-20. (Previously Cancelled)

21. (Currently amended) A craze resistant wire coating composition for magnet wires comprising:

1) ~~a-an organic solvent solution of a polyamideimide polymer composition formed by the reaction of (i) an aromatic diisocyanate, (ii) at least about 75 mole percent to 100 mole percent of trimellitic anhydride; and (iii) about 25 mole percent or less of an, and one or more, acid, anhydride, or hydroxy functional reactants-reactant selected from the group consisting of benzophenonetetracarboxylic anhydride, p-phthalic acid, o-phthalic acid, m-phthalic acid, 4,4'-oxy-bisbenzoic acid, dicarboxyl terminated poly(acrylonitrile-co-butadiene), adipic acid, diphenylsilanediol, tris(2-hydroxyethyl)cyanurate, and cyanuric acid, and melamine derivatives, or a vinyl terminated silicone oil, and combinations thereof; and (iv) an optional component selected from the group consisting of versar wax, an aliphatic diisocyanate, a vinyl terminated silicone oil, tris(2-hydroxyethyl)cyanurate, and combinations thereof; in an organic solvent wherein the aggregate amount of the trimellitic anhydride, and the ether acid, anhydride and alcohol-hydroxy functional reactants or vinyl terminated silicone oil is substantially the molar equivalent of the amount of the aromatic diisocyanate; and~~

2) dispersed in said polymer solution, a particulate component selected from the group consisting of a fluoropolymer and a mineral filler.

22. (Currently amended) The coating composition of claim 21 wherein at least one ~~reactant of the reactants~~ is a hydroxy functional compound selected from the group consisting of diphenylsilanediol, tris(2-hydroxyethyl)cyanurate, cyanuric acid, and melamine derivatives.

23. (Currently amended) The coating composition of claim 21 wherein at least one ~~reactant of the reactants~~ is benzophenonetetracarboxylic anhydride.

24. (Currently amended) The coating composition of claim 21 wherein at least one ~~reactant of the reactants~~ is a diacid selected from the group consisting of p-phthalic

acid, o-phthalic acid, and m-phthalic acid, 4,4'-oxy-bisbenzoic acid, poly(acrylonitrile-co-butadiene)dicarboxy terminated, and adipic acid.

25. (Currently amended) The coating composition of claim 21 wherein the amount organic solvent solution includes at least about 85 mole percent of trimellitic anhydride used as a reactant is at least 85 mole percent based on the amount of the diisocyanate.

26. (Previously presented) The coating composition of claim 25 wherein the reactants include at least two unique diacid reactants.

27. (Previously presented) The coating composition of claim 25 or claim 26 wherein the reactants include benzophenonetetracarboxylic anhydride.

28. (Currently amended) The coating composition of claim 21 wherein the amount organic solvent solution includes at least about 95 mole percent of trimellitic anhydride used as a reactant is at least 95 mole percent based on the amount of the diisocyanate.

29. (Previously presented) The coating composition of claim 28 wherein the reactants include at least one diacid.

30. (Previously presented) The coating composition of claim 28 or claim 29 wherein the reactants include at least one dihydroxy functional reactant, at least one trihydroxy functional reactant, or benzophenonetetracarboxylic anhydride.

31. (Currently amended) The coating composition of claim 21, claim 22, claim 23, claim 24, claim 25, claim 26, claim 28, or claim 29 wherein the particulate component is polytetrafluorofluoroethylene.

32. (Previously presented) The coating composition of claim 21, claim 22, claim 23, claim 24, claim 25, claim 26, claim 28, or claim 29 wherein the particulate component is a mineral filler.

33. (Previously presented) The coating composition of claim 31 further including a mineral filler.

34. (Currently amended) A craze resistant wire coating composition for magnet wires which comprisescomprising:

a solution of a polyamideimide polymer formed by the reaction of a diisocyanate with a reactant mixture comprising trimellitic anhydride, at least one diacid, and diphenylsilanediol in an organic solvent; and

dispersed in said polymer solution, a particulate component selected from the group consisting of a fluorofluoropolymer and a mineral filler.

35. (Previously presented) A magnet wire comprising a conductor element and a coating of the composition of claim 34.

36. (Previously presented) A magnet wire comprising a conductive element coated with a composition of claim 21, claim 22, claim 23, claim 24, claim 25, claim 26, claim 28, or claim 29.

37. (Currently amended) A magnet wire according to claim 35, further including comprising a base layer selected from the group consisting of a polyamideimide and a polyester, said base layer positioned between the conductive element and the layer of craze resistant wire coating composition.

38. (Currently amended) A magnet wire according to claim 36, further including comprising a base layer selected from the group consisting of a polyamideimide and a polyester, said base layer positioned between the conductive element and the layer of craze resistant wire coating composition.

39. (Currently amended) A craze resistant wire coating composition for magnet wires comprising:

1) a-an organic solvent solution of a polyamideimide polymer composition formed by the reaction of an aromatic diisocyanate, (i) an aromatic diisocyanate; (ii) at least about 75 mole percent to 100 mole percent of trimellitic anhydride; and (iii) about 25 mole percent or less of an, and one or more acid functional reactants-reactant selected from the group consisting of p-phthalic acid, o-phthalic acid, m-phthalic acid, 4,4'-oxy-bisbenzoic acid, dicarboxyl terminated poly(acrylonitrile-co-butadiene), and adipic acid, or-and combinations thereof; and (iv) an optional component selected from the group consisting of versar wax, an aliphatic diisocyanate, a vinyl terminated silicone oil, tris(2-hydroxyethyl)cyanurate, and combinations thereof; in an organic solvent wherein the aggregate amount of the trimellitic anhydride, and the ether-acid functional reactants or vinyl terminated silicone oil is substantially the molar equivalent of the amount of the aromatic diisocyanate; and

2) dispersed in said polymer solution, a particulate component selected from the group consisting of a fluorofluoropolymer and a mineral filler.

40. (Previously presented) A magnet wire comprising a conductive element coated with a composition of claim 39.

41. (Currently amended) The magnet wire of claim 40, further comprising a base layer selected from the group consisting of a polyamideimide and a polyester, said

base layer positioned between the conductive element and the layer of craze resistant wire coating composition.